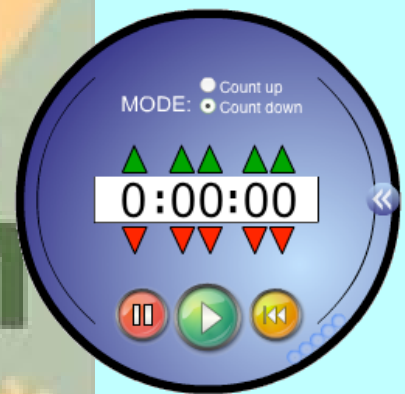
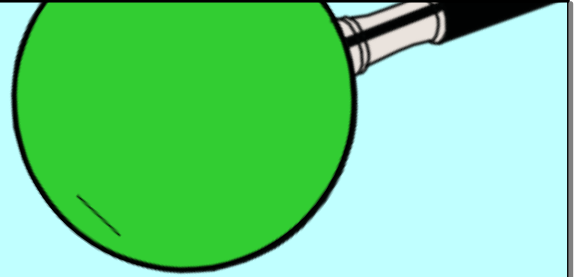


WRITING EQUATIONS



$$3n = 8$$

REMEMBER THESE STEPS:



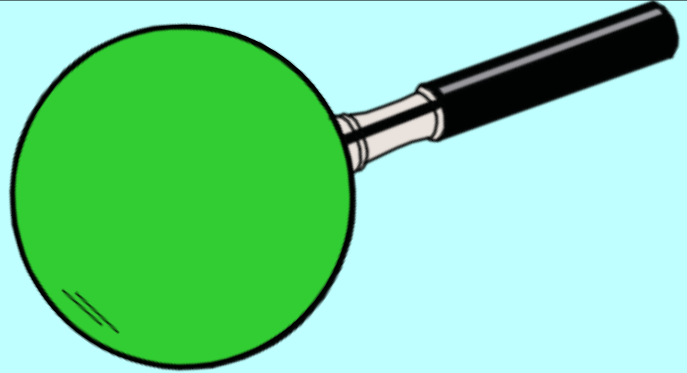
It costs \$8 per person to go to a movie at a movie theater. If you and 3 friends go to the movies, use the magnifying glass to reveal the correct equation. Let m represent the amount spent for all of you to attend the movie.

$$8 \times 4 = m$$

$$8m = 4$$

$$8 + 4 = m$$

$$4m = 8$$



It costs \$6 per person to go to a movie at a movie theater if you go before 6 pm. If you and 11 friends go to the movies, use the magnifying glass to reveal the correct equation. Let m represent the amount spent for all of you to attend the movie.

$$6 + 12 = m$$

$$12 \times 6 = m$$

$$12m = 6$$

$$6m = 12$$

LET'S TRY IT . . .

Example 1:

Paul has three times as many ATVs as Tim.

Write this statement as a math equation.

$$P = t \cdot 3$$

$$t \cdot 3 = P$$

$$t \cdot 3 = P$$

$P = \# \text{ of ATVs Paul has}$
 $t = \# \text{ of ATVs Tim has}$

Example 2:

b
 Your monthly cell phone bill is \$15 per month plus m
\$0.05 per minute.

Write an equation that can be used to find your monthly cell phone bill.

$$0.05 \cdot m + 15 = b \quad \left\{ \begin{array}{l} m = \# \text{ of} \\ \text{mins.} \end{array} \right.$$

~~use 15 + m~~

$$0.05m + 15 = b$$

$b = \text{monthly bill}$

Example 3:

A family wants to go to the water park. It costs \$20 per adult and \$10 per child.

Write an equation to show how to calculate the final cost for their trip to the water park.

HOMEWORK

WRITING EQUATIONS WS